BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

1st And Final Bill

rement Date:

Job Num : 017-21-000017

	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
	Earth work excavation by manual means for drains,canals, waste weir draft, approach channels, key trench, foundation of Bridges and such similar works, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, excavated surface leveled and sides neatly dressed disposing off or leveling the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage & other appurtenances required to complete the work. **In ordinary/soft rock without blasting upto 1.5 m depth** (KPWD SR 2021-22, Volume-II, Item No.1.5.1, Page No.6)						
		Cum					
	For Galary						
	Footings						
			16	3.60	3.60	2.80	580.61
			16	3.20	3.20	2.80	458.75
	Plinth Beam		16	7.30	0.60	0.60	42.05
	0.0	30.0					
	30.0	60.0	2	30.00	0.80	0.60	28.80
	60.0	62.0	2	30.00	0.80	0.60	28.80
			2	2.00	0.80	0.60	1.92
						Total Quantity	**1140.93**
						Total Payable Quantity In This Bill	**1126.05**

CIVIL QUALITY CONSULTANTS Bangalore Consultants

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t Engineer
o 17

Asst Executive Enginee
Yashwanthapur Sub Divisio

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

1st And Final Bill

Measurement Date:

Job Num : 017-21-000017

No	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
2	KSRB 2.8 Providing and filling in foundation with granite/trap broken metal of 100 MM and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour charges and with all lead and lift etc complete as per specification and the direction of the Engineer in charge I.No 6.4 Volume 2 SR 2021-22						
	Cum						
	For Galary						
	Footings	16	3.30	3.30	0.15	26.14	
	Below Gallary	16	2.90	2.90	0.15	20.18	
	0.0 30.0	1	30.00	6.300	0.15	28.35	
	30.0 60.0	1	30.00	6.300	0.15	28.35	
	60.0 62.0	1	2.00	6.300	0.15	1.89	
					Total Quantity	104.91	
					Total Payable Quantity In This Bill	104.91	

tractor

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12/03/2022

Assistant Engineer
Ward No 17

Asst Executive Engineer
Yashwanthapur Sub-Division

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FORM P.W.G 47

BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

1st And Final Bill

Measurement Date:

Job Num : 017-21-000017

No	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
3	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) (KWPD 2021-22, V-I, Item No.2.1.3, Page No.15)						
		Cum					
	For Galary						
	Footings						
			16	3.30	3.30	0.15	26.14
	Plinth Beam		16	2.90	2.90	0.15	20.18
	Plinth Beam		16	7.30	0.80	0.15	14.02
	0.0	30.0	2	30.00	0.50	0.15	4.50
	30.0	60.0	2	30.00	0.50	0.15	4.50
	60.0	62.0	2	2.00	0.50	0.15	0.30
	for flogging concrete						
	Below Gallary						
	0.0	30.0	1	30.00	7.30	0.15	32.85
	30.0	60.0	1	30.00	7.30	0.15	32.85
	60.0	62.0	1	2.00	7.30	0.15	2.19
	All Around the Gallary						
	0.0	30.0	2	30.00	1.00	0.15	9.00
	30.0	60.0	2	30.00	1.00	0.15	9.00
	60.0	62.0	2	2.00	1.00	0.15	0.60
			2	7.50	1.00	0.15	2.25
						Total Quantity	**158.38**
						Total Payable Quantity In This Bill Upto 125 %	**108.10**
						Total Payable Quantity In This Bill Above 125 %	**40.98**

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Consultant

12/03/202

istant Engineer
rd No 17

Asst Executive Engi
Yashwanthapur Sub Divi

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

surement Date: **1st And Final Bill**

Job Num : 017-21-000017

No	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. TMT bars Fe 550						
	Tonne						
	Steel Qty Vide From Steel calculation Sheet					108.10	
	Total Quantity					**108.10**	
	Total Payable Quantity In This Bill Upto 125 %					**55.81**	
	Total Payable Quantity In This Bill Above 125 %					**52.29**	

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tant Engineer
l No 17

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Yashwanthapur Sub Division

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

1st And Final Bill

surement Date:

Job Num : 017-21-000017

No	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
L 1	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising/transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical specification.. (item 2.24 P.W.D. SR-2018-19)						
	From Ch : To Ch :						
	For Galary						
	0.0 30.0	1	30.00	10.00	0.30	90.00	
	30.0 60.0	1	30.00	10.00	0.30	90.00	
	60.0 62.0	1	2.00	10.00	0.30	6.00	
					Total Quantity	186.00	
					Total Payable Quantity In This Bill	186.00	

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stant Engineer
d No 17

Asst Executive Enginee
Yashwanthapur Sub Divisio

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

urement Date: 1st And Final Bill

Job Num : 017-21-000017

o	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
2	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications.						
	For Galary	Cum					
	Footings		16	3.00	3.00	0.75	108.00
			16	2.60	2.60	0.60	64.90
	Column Upto Plinth		16	0.60	0.60	2.50	14.40
	For Galary		16	0.60	0.60	2.50	14.40
	Column Above Plinth		16	0.60	0.60	4.80	27.65
	cut off wall		16	0.60	0.60	0.75	4.32
			1	30.00	0.20	0.75	4.50
			1	30.00	0.20	0.75	4.50
			1	2.00	0.20	0.75	0.30
	cut off wall		1	30.00	0.20	0.75	4.50
			1	30.00	0.20	0.75	4.50
			1	2.00	0.20	0.75	0.30
	Plinth Beam		16	7.60	0.60	0.60	43.78
			2	30.00	0.45	0.60	16.20
			2	30.00	0.45	0.60	16.20

Checked
Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 054.

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Bangalore
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1/04/2022

stant Engineer
d No 17

Asst Executive Engineer
Yashwanthapur Sub Division

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

surement Date: **1st And Final Bill**

Job Num : 017-21-000017

No	Description of work		Nos	Dimenstions in m			Quantity	Remarks
				L in m	B in m	D in m		
			2	2.00	0.45	0.60	1.08	
	Waist Beams							
	Beams		16	7.60	0.60	0.30	21.89	
			1	30.00	0.60	0.60	10.80	
			1	30.00	0.60	0.60	10.80	
			1	2.00	0.60	0.60	0.72	
	For Waist Slab							
			1	30.00	7.60	0.30	68.40	
			1	30.00	7.60	0.30	68.40	
	For Steps		1	2.00	7.60	0.30	4.56	
	For Landing							
			2	30.00	1.20	0.45	32.40	
			2	30.00	1.20	0.45	32.40	
	For Seating		2	2.00	1.20	0.45	2.16	
			2.5	30.00	0.50	0.45	16.88	
			2.5	30.00	0.50	0.45	16.88	
			2.5	2.00	0.50	0.45	1.13	
	For Sub Steps							
	For Landing	2	12	1.50	0.30	0.15	0.81	
						Total Quantity	617.73	
						Total Payable Quantity In This Bill	617.73	

Checked
Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 054.

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Consultants

01/04/2021

stant Engineer
d No 17

Asst Executive Engineer
Yashwanthapur Sub Division

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

1st And Final Bill

ment Date:

Job Num : 017-21-000017

Description of work	Nos	Dimenstions in m			Quantity	Remarks
		L in m	B in m	D in m		
KSRB 4-6.1 : Providing and removing a centering, shuttering, strutting, propping etc.., and removal of form work for a foundation footing bases of column for mass concrete including cost of all materials, labours, complete as per specificatons (Pg No 16-Item No 4.28@ P.W.D SR 2018-19)						
	sqm					
Footings	16	12.00		0.75	144.00	
	16	10.40		0.60	99.84	
				Total Quantity	243.84	
				Total Payable Quantity In This Bill	243.84	

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CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore Consultants

11/04/2022

stant Engineer
rd No 17

Asst Executive Enginee
Yashwanthapur Sub Divisio

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

1st And Final Bill

urement Date:

Job Num : 017-21-000017

o	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
-4	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2 (P.No.16, I.No.4.32 of P.W, D S.R 2018-19)						
		sqm					
	Column Upto Plinth	16	2.40		2.50	96.00	
		16	2.40		2.50	96.00	
	Column Above Plinth	16	2.40		4.80	184.32	
		16	2.40		0.75	28.80	
		4	30.00		0.75	90.00	
		4	30.00		0.75	90.00	
		4	2.00		0.75	6.00	
					Total Quantity	591.12	
					Total Payable Quantity In This Bill	591.12	

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

surement Date: 1st And Final Bill

Job Num : 017-21-000017

No	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
-5	KSRB 4-6.7: Providing and removing centering, shuttering, strutting, propping etc., an removal of form work for sides and soffits of beams, beam haunchings, cantilever, girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.17, I.No.4.34 of PWD S.R 2018-						
	Plinth Beam	sqm					
			32	7.60		0.60	145.92
			4	30.00		0.60	72.00
	Beams		4	30.00		0.60	72.00
			4	2.00		0.60	4.80
			2	30.00		0.60	36.00
			2	30.00		0.60	36.00
			2	2.00		0.60	2.40
					Total Quantity		369.12
					Total Payable Quantity In This Bill		369.12

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CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore Consultants

stant Engineer 16/04/2021

d No 17

Asst Executive Engine

Yashwanthapur Sub Divisio

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

surement Date: 1st And Final Bill

Job Num : 017-21-000017

No	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
1-6	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal form work for flat surface such as suspended floors, roofs, landings, balconies and like, thickness upto 200mm including cost of materials, labhour complete as per specification.(P.No.16,I.No.4.29.2)						
	For Landing						
		4	30.00		0.45	54.00	
	For Seating	4	30.00		0.45	54.00	
		4	2.00		0.45	3.60	
	For Landing	5	30.00		0.45	67.50	
		5	30.00		0.45	67.50	
		5	2.00		0.45	4.50	
		24	1.50		0.15	5.40	
					Total Quantity	256.50	
					Total Payable Quantity In This Bill	256.50	

tractor

QUALITY CONSULTANTS & ENGINEERS Bangalore Consultants

istant Engineer
rd No 17

Asst Executive Enginee
Yashwanthapur Sub_Divisio

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BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Works : Providing Gallery to Musical Fountain in JP Park in Ward No 17, J P Park.

surement Date: 1st And Final Bill

Job Num : 017-21-000017

No	Description of work	Nos	Dimenstions in m			Quantity	Remarks
			L in m	B in m	D in m		
5 1-7	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2.(I.No.4.38)						
		sqm					
	Waist Beams	32	7.60		0.30	72.96	
	For Waist Slab	1	30.00	7.60		228.00	
		1	30.00	7.60		228.00	
		1	2.00	7.60		15.20	
					Total Quantity	544.16	
					Total Payable Quantity In This Bill	544.16	

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CIVIL QUALITY CONSULTANTS & ENGINEERS Bangalore Consultants

18/04/202

sant Engineer
a No 17

Asst Executive Enginee
Yashwanthapur Sub Divisio

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S.No	Description	Dia	Nos	No. Bars	Cutting Length	Total Length	8mm	10mm	12mm	16mm	20mm	25mm
57	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. TMT bars Fe 550											
	Footings											
	F1	16.00	32.00	32.00	3.30	3379.20	0.00	0.00	0.00	3379.20	0.00	0.00
		16.00	32.00	32.00	3.30	3379.20	0.00	0.00	0.00	3379.20	0.00	0.00
	F2	16.00	32.00	34.00	3.20	3481.60	0.00	0.00	0.00	3481.60	0.00	0.00
		16.00	32.00	34.00	3.20	3481.60	0.00	0.00	0.00	3481.60	0.00	0.00
	Column Upto Plinth	20.00	16.00	16.00	2.60	665.60	0.00	0.00	0.00	0.00	665.60	0.00
		20.00	16.00	16.00	2.60	665.60	0.00	0.00	0.00	0.00	665.60	0.00
	Strippus	8.00	16.00	26.00	3.00	1248.00	1248.00	0.00	0.00	0.00	0.00	0.00
		8.00	16.00	26.00	3.00	1248.00	1248.00	0.00	0.00	0.00	0.00	0.00
	For Galary- Column	25.00	16.00	16.00	4.80	1228.80	0.00	0.00	0.00	0.00	0.00	1228.80
		20.00	16.00	16.00	4.80	1228.80	0.00	0.00	0.00	0.00	1228.80	0.00
	Strippus	8.00	16.00	48.00	2.40	1843.20	1843.20	0.00	0.00	0.00	0.00	0.00
		10.00	16.00	48.00	2.40	1843.20	0.00	1843.20	0.00	0.00	0.00	0.00
	Cutoff Wall	12.00	2.00	7.50	67.50	1012.50	0.00	0.00	1012.50	0.00	0.00	0.00
		16.00	4.00	675.00	1.20	3240.00	0.00	0.00	0.00	3240.00	0.00	0.00
	PLINTH BEAMS 1	20.00	1.00	8.00	67.50	540.00	0.00	0.00	0.00	0.00	540.00	0.00
	Strippus	8.00	1.00	540.00	3.60	1944.00	1944.00	0.00	0.00	0.00	0.00	0.00
	Tension Bar	25.00	15.00	4.00	3.38	202.80	0.00	0.00	0.00	0.00	0.00	202.80
	Compression Bar	25.00	15.00	4.00	3.70	222.00	0.00	0.00	0.00	0.00	0.00	222.00
	PLINTH BEAMS 2	20.00	1.00	8.00	67.50	540.00	0.00	0.00	0.00	0.00	540.00	0.00
	Strippus	8.00	1.00	540.00	3.60	1944.00	1944.00	0.00	0.00	0.00	0.00	0.00
	Tension Bar	25.00	15.00	4.00	3.38	202.80	0.00	0.00	0.00	0.00	0.00	202.80
	Compression Bar	25.00	15.00	4.00	3.70	222.00	0.00	0.00	0.00	0.00	0.00	222.00
	INCLINDE BEAMS 3	25.00	32.00	14.00	8.60	3852.80	0.00	0.00	0.00	0.00	0.00	3852.80
	Strippus	8.00	32.00	68.80	2.10	4623.36	4623.36	0.00	0.00	0.00	0.00	0.00
	Tension Bar	25.00	32.00	4.00	4.50	576.00	0.00	0.00	0.00	0.00	0.00	576.00
	Compression Bar	25.00	32.00	4.00	4.50	576.00	0.00	0.00	0.00	0.00	0.00	576.00

Contractor

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Asst Engineer

Asst Executive Engineer

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	Weist Slab	12.00	2.00	76.00	67.50	10260.00	0.00	0.00	10260.00	0.00	0.00	0.00	
		16.00	2.00	675.00	7.60	10260.00	0.00	0.00	0.00	10260.00	0.00	0.00	
	noising	16.00	3.00	670.00	1.50	3015.00	0.00	0.00	0.00	3015.00	0.00	0.00	
		16.00	3.00	670.00	2.50	5025.00	0.00	0.00	0.00	5025.00	0.00	0.00	
		16.00	1.00	8.00	68.00	544.00	0.00	0.00	0.00	544.00	0.00	0.00	
							12850.56	1843.20	11272.50	35805.60	3640.00	7083.20	
				TOTAL		8MM	12850.56	0.39	5011.72				
						10MM	1843.20	0.62	1137.25				
						12MM	11272.50	0.89	10009.98				
						16MM	35805.60	1.58	56501.24				
						20MM	3640.00	2.47	8976.24				
						25MM	7083.20	3.85	27298.65				
	Qty Limited to	BOQ Qty		108.10			TOTAL QTY		108935.08	108.94			

Asst Engineer

Asst Executive Engineer

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